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Active matrix LCD device with auxilliary electrode surrounding pixel electrode

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KR2000047368**Abstract**

A LCD device includes first and second substrates facing each other and a liquid crystal layer between the two substrates. A plurality of gate bus lines (1) are arranged in a first direction and a plurality of data bus lines (3) are arranged in a second perpendicular direction on the first substrate to define a pixel region. A pixel electrode (13) is electrically charged through the data bus line (3) in the pixel region. A common auxiliary electrode (15) surrounds the pixel electrode (13). A gate insulator (35, fig 2C) covers the first substrate along with a passivation layer (37) formed on the insulator. A light shielding layer (25) is formed on the second substrate along with a colour filter layer (23) and common electrode (27).

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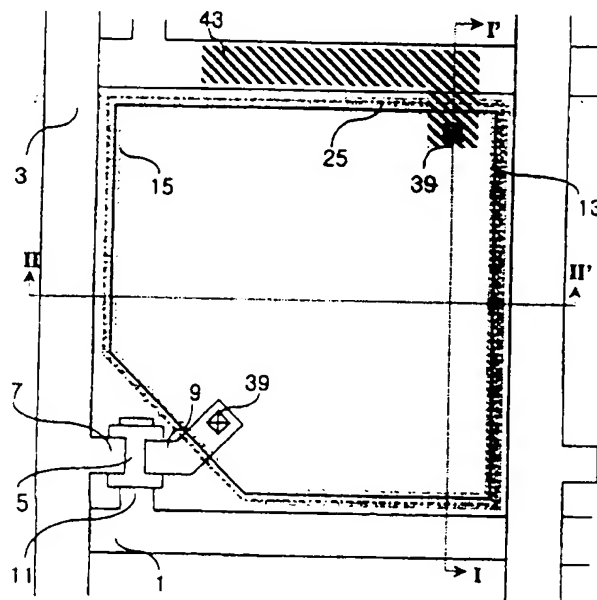
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Active matrix LCD device with auxiliary electrode surrounding pixel electrode

(57) A LCD device includes first and second substrates facing each other and a liquid crystal layer between the two substrates. A plurality of gate bus lines (1) are arranged in a first direction and a plurality of data bus lines (3) are arranged in a second perpendicular direction on the first substrate to define a pixel region. A pixel electrode (13) is electrically charged through the data bus line (3) in the pixel region. A common auxiliary electrode (15) surrounds the pixel electrode (13). A gate insulator (35, fig 2C) covers the first substrate along with a passivation layer (37) formed on the insulator. A light shielding layer (25) is formed on the second substrate along with a colour filter layer (23) and common electrode (27).

FIG. 2A



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